

Application No. 10/650,359  
Amendment Dated December 13, 2004  
Reply to Office Action dated August 11, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (currently amended) Method for manufacturing an electrical cable system (1) ~~comprising~~ having an electrical cable (10) containing a conductor core, (2) and for installing said electrical cable system over a longitudinally expandable-contractible element, said method comprising the (1', 6) ~~characterized in that it comprises the successive steps of:~~

disposing a secondary element (3) over said electrical cable, said secondary element being a radially expandable hose, so as to give said electrical cable substantially attached undulations (100) thereby forming an additional length, said additional length formed by stranding said radially expandable hose around said electrical cable in a helical formation, where said electrical cable and said radially expandable hose are both twisted relative to one another;

installing, by clamping at least at two points, said electrical cable system to said longitudinally expandable-contractible element (1'); ; and

handling said secondary element after said clamping so as to release the attachment of said undulations, thereby converting said additional length into a free to be used excess length.

2. (cancelled)

Application No. 10/650,359  
Amendment Dated December 13, 2004  
Reply to Office Action dated August 11, 2004

3. (currently amended) Method according to claim 2 ~~characterized in that it~~  
~~comprises~~ further comprising the step of radially expanding said hose (3) by providing high  
internal pressure within said hose before said stranding process, in that the method ~~comprises~~  
includes the step of maintaining said high internal pressure during the clamping process, and in  
that said handling process consists of reducing said internal pressure, causing said hose to be  
~~being~~ radially non expanded.

4. (currently amended) Method according to any of claims 2 ~~or 3 characterized in~~  
~~that it comprises~~ further comprising the step of providing a common outer sheath (5) surrounding  
said radially expandable hose (3) and said electrical cable (10).

5. (currently amended) An electrical ~~Electrical~~-cable system (1) ~~comprising having~~  
an electrical cable (10) containing a conductor core (2) and suitable for being installed by  
clamping over a longitudinally expandable-contractible element (1', 6) ~~characterized in that it~~  
~~comprises~~ comprising:

a secondary element (3), said secondary element being a radially expandable hose, which  
is disposed over said electrical cable in a way to give said electrical cable substantially attached  
undulations (100) before and during said clamping, thereby forming an additional length, said  
additional length formed by stranding said radially expandable hose around said electrical cable  
in a helical formation, where said electrical cable and said radially expandable hose are both  
twisted relative to one another; and wherein ~~in that~~ said secondary element is handleable in

Application No. 10/650,359  
Amendment Dated December 13, 2004  
Reply to Office Action dated August 11, 2004

order to release the attachment of said undulations after said clamping, thereby converting said additional length in a free to be used excess length.

6. (currently amended) Electrical cable system (1) according to claim 5  
~~characterized in that~~ wherein said ~~secondary element is a~~ radially expandable hose (3) ~~with said~~  
has an adjustable internal pressure.

7. (cancelled)

8. (currently amended) Electrical cable system (1) according to ~~any of claims 5 to 7~~  
~~characterized in that it comprises~~ further comprising a common outer sheath (5) surrounding said  
secondary element (3) and said electrical cable (10).

9. (currently amended) Electrical cable system (1) according to ~~any of claims 5 to 8~~  
~~characterized in that~~ wherein said conductor core (2) is a copper core and is covered with a  
polymer insulation sheath (4).

10. (currently amended) Heating system comprising an electrical cable system (1)  
according to ~~any of claims 5, to 9 and~~ to be clamped at least at two points to a subsea pipeline  
(1').